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|||||
Db 798 AATGTTAAGCCACTGAGGACTCAGGCACACACAGTCTGT 847
|||||

RESULT 9
AL522226 766 bp mRNA EST 13 FEB 2001
LOCUS L11_NF1004_NHC2 Homo sapiens cDNA clone VS00R007YD05 5
DEFINITION prime, mRNA sequence.
ACCESSION AL522226
VERSION AL522226.1 GI:112785719
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 766)
AUTHORS Li, W.H., Gruber, C., Jessop, J., and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref.genoscope.cns.fr, Web : www.genoscope.cns.fr.
Location/Qualifiers
1. 769
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="VS00R007YD05"
/clone_1kb="L11_NF1004_NHC2"
/sex="male"
/tissue_type="neuroblastoma cells"
/lab_host="pH10B"
/notes="Organ: Brain; Vector: pCMVSPORT 6; 1st strand cDNA
was primed with a NotI-oligo(dT) primer. Five prime end
enriched, double-stranded cDNA was digested with NotI and
cloned into the NotI and EcoRV sites of the pCMVSPORT 6
vector. Library was normalized. Library was constructed
by Life Technologies. Contact: Feng Liang Life
Technologies, a division of Invitrogen 9800 Medical Center
Drive Foster, Maryland 20650, USA Fax : (1) 401 610
8371 Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com"
BASE COUNT 145 a 273 c 255 g 126 t
ORIGIN
Query March 46.1% Score 630.4, E=10, Length 769,
Best Local Similarity 99.5% Pred. No. 61e-132;
Matches 643; Conservative 0; Mismatches 1; Indels 2; Gaps 1;

QY 723 caagctctactccatgatttatgaaataatcagacactgaaagaaagaaagaaagcttataaga 782
Db 1 CAAGCTTACTCCATGATTTCGCGCAATTCGACACCTGAAACAAACACACACACACACACACAC 60
QY 783 aattactactaagcctgagcgcacacacacacacacacacacacacacacacacacacacacac 842
Db 61 AATTATATTAAGGCTTGGGCGGAAACAAACAAACCTTAATGCAACACACACACACACACAC 120
QY 843 cacccttgccttctatctcccttgccttgccttgccttgccttgccttgccttgccttgccttgc 902
Db 121 CACCTCGGCGCTTCAGTCGCGCGCGACCTTCACCTTCACCTTCACCTTCACCTTCACCTTCAC 180
QY 903 caatgaatgctccacatcttgacgtctccacacacacacacacacacacacacacacacacac 962
Db 181 GCGTGACGTGTCGCAACCTTCGCGCGCTCCCGCGACAGAGGCGCGCGCGCGCGCGCGCGCGCG 240
QY 963 tgaacccatctctgacacacacacacacacacacacacacacacacacacacacacacacacac 1022
Db 241 TGACCGATACCTTGACACACACACACACACACACACACACACACACACACACACACACACAC 300
QY 1023 ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt 1092

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Db 301 GGAGGACAGCCGCTCAACAGCCATACAGAGCTACAGACATATATATATATATATATATAT 360
QY 1084 catatataataaagctgccccttatcagctataataatgatttctgagagctatataatata 1142
Db 361 GGTGGTGGAGAAAGGAGGCGGCGGCTGGGCTGGAGGAAATGGGAGGAGGCTATAGGCTGAG 420
QY 1149 gataaaataataataatgcttcttcttcttcttcttcttcttcttcttcttcttcttct 1202
Db 421 GAAACCAAGAAATGATGAGGCTGAGAGCTGAGAGGAGAGGAGGAGGAGGAGGAGGAGGAG 480
QY 1204 ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt 1262
Db 481 TACGATGCTTCCGATTCGAGGCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 538
QY 1263 ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt 1322
Db 539 gbaaagaaatgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgct 598
QY 1323 ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt 1382
Db 599 ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt 644

RESULT 10
RG035257 636 bp mRNA EST 24 JAN 2001
LOCUS 50252477P1 NHL_M3C_99 Homo sapiens cDNA clone IMAGE 451412 5'
DEFINITION mRNA sequence.
ACCESSION RG035257
VERSION RG035257.1 GI:12429409
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 636)
AUTHORS NIH NCI Biotechnology Resource Project
TITLE National Institutes of Health Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: rstraus@nci.nih.gov
Tissue Procurement: APOC
cDNA library preparation: Life Technologies, Inc.
cDNA library Arrayed by: the I.M.A.G.E. Consortium (LNL)
cDNA Sequenced by: Incyte Genomics, Inc.
Clone Distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/INL at:
http://imga.cit.nih.gov
Plates: LAM10148 row: m column: 17
High quality sequence stop: 646.
Location/Qualifiers
1. 636
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:451412"
/tissue="NHL_M3C_99"
/tissue_type="adenocarcinoma, cell line"
/lab_host="Biol0B (phage-resistant)"
/notes="Organ: Liver; Vector: pCMVSPORT6; Site 1: NCI;
Site 2: Salt Cloned quadratically oriented plasmid.
Average insert size 1.7 kb. Library enriched for
full-length clones and constructed by life technologies.
Note: this is a NHL_M3C Library."
BASE COUNT 118 a 244 c 183 g 101 t
ORIGIN
Query March 46.7% Score 625.0, E=10, Length 636,
Best Local Similarity 99.8% Pred. No. 9.9e-161;
Matches 493; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 727 ctatctatctatctatctatctatctatctatctatctatctatctatctatctatctatct 786

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Db 1 CTCTACTCCATTCCTTTCTGCGAAATATACACCTTGAAAAATACAGGAGACCTTGACGCAACT 60
QY actactaaacccctgaaccccaaccccaacttcaatcccaacttcaatcccaacttcaatcccaac 846
Db 61 ACTACTAAGACCTTGAGCTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 120
QY ctgagcttcaatccctgaacccctgaacccctgaacccctgaacccctgaacccctgaacccctg 906
Db 121 CTGAGCTTCAATTCCTTGAGCACTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 180
QY gactatcccaacttctacaccccaaccccaacttcaatcccaacttcaatcccaacttcaatcc 966
Db 181 GACGTCGCCAATTCCTTGAGCACTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 240
QY cccatccctgaacccctgaacccctgaacccctgaacccctgaacccctgaacccctgaaccc 1026
Db 241 GCTATCTTCTGAGACCTTCTGAGCACTTAAATTAATTAATTAATTAATTAATTAATTAATTA 300
QY gacagcccccacacacacacacacacacacacacacacacacacacacacacacacacacacac 1086
Db 301 GACAGTGCCTGACACCTTCTGAGCACTTAAATTAATTAATTAATTAATTAATTAATTAATTA 360
QY qtacaaacacacacacacacacacacacacacacacacacacacacacacacacacacacac 1146
Db 361 GTCATTAATTCCTTGAGCACTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 420
QY caacacacacacacacacacacacacacacacacacacacacacacacacacacacacacac 1206
Db 421 CACGATATGATCTTCTGAGCACTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 480
QY atgcctgaacacacacacacacacacacacacacacacacacacacacacacacacacacac 1266
Db 481 ATGCTGAGCACTTCTGAGCACTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 540
QY cccatgactccagacacacacacacacacacacacacacacacacacacacacacacacacac 1326
Db 541 CGGCTGCTCGGACATGACCTTCTGAGCACTTAAATTAATTAATTAATTAATTAATTAATTAAT 600
QY gaccccaacacacacacacacacacacacacacacacacacacacacacacacacacacacac 1363
Db 601 GGGCTGCTCGGACATGACCTTCTGAGCACTTAAATTAATTAATTAATTAATTAATTAATTAAT 636

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RESULT 11

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LOCUS BE971809
DEFINITION BE971809 969 bp mRNA FET 20-SEP-2000
601448388F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3852525 5',
mRNA sequence.
VERSION BE971809
KEYWORDS BE971809 1 GI-10320585
SOURCE EST.
ORGANISM human.

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REFERENCE
AUTHORS Fukuyama Y, Metaxas J, Cherdron A, Granata, V, Tribarata, Estel, Costum.
Mammalia: Eutheria: Primates: Catarrhini: Hominiidae: Homo.
1 (bases 1 to 969)
TITLE NIH-MGC http://map.ncbi.nih.gov/
JOURNAL National Institutes of Health, Mammalian Gene Collection (MGC)
COMMENT Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs@mail.nih.gov
Tissue procurement: AJCC
cDNA Library Preparation: Life Technologies, Inc.
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/IMG at:
http://image.llnl.gov
Plate: LAM9574 row: 6 column: 22
High quality sequence stop: 642.

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FEATURES

Source

1..969

/organism="Homo sapiens"

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/db_xref="taxon:9606"
/clone="IMAGE:3852525"
/clone_lib="NIH_MGC_65"
/issue_type="adenocarcinoma"
/lab_host="DH10B (phage-resistant)"
/notes="Organ: colon; Vector: pCMV-Sport6; Site: 1: Not;
Site: 2: Salt; Cloned unidirectionally. Primer: oligo dI.
Average insert size 1.8 kb. Library constructed by Life
Technologies."

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BASE COUNT 281 a 273 c 241 g 174 t
ORIGIN

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Query Match 44.2%; Score 605.2; DB 11; Length 969;
Best Local Similarity 95.4%; Pred. No. 3.1e-16;
Matches 700; Conservative 0; Mismatches 23; Indels 11; Gaps 7;

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QY 141 aaataataccac cctcaaaataattcgatttctgtaccgaagtgcacaaagaacact 199
Db 1 AAAATATATATCCGGCTCAAAATAATTCGATTTCGTGTACCAAGTCCACAAAGCAAGCT 60

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QY 200 acttctacacacacacacacacacacacacacacacacacacacacacacacacacacac 259
Db 61 ATCTGTACAAATACATCTCCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120

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QY 260 gctccttaccgcttccaaacacacacacacacacacacacacacacacacacacacacac 319
Db 121 GCTCTCTACAGCTTTCAGAAAACAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 180

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QY 320 agaaatgggtcagtgagatctcttcttgcacagtgagacacacacacacacacacacacacac 379
Db 181 AGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240

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QY 380 gcagaaagacacacacacacacacacacacacacacacacacacacacacacacacacacac 439
Db 241 GAGGAGAGAACACAGTACCGGCAATTAATTCAGTGAAGAACCTTTTCCAGTCTCAATTCGA 300

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QY 440 gctctgctcgaatggacgctgctctctgacagtgagacacacacacacacacacacacacac 499
Db 301 GATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 460

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QY 500 cctgcacacacacacacacacacacacacacacacacacacacacacacacacacacacacac 559
Db 361 CCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420

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QY 569 aaactctgaatgacacacacacacacacacacacacacacacacacacacacacacacacacac 619
Db 421 AAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480

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QY 620 actaagacacacacacacacacacacacacacacacacacacacacacacacacacacacac 678
Db 481 ACTGAGGACACACACACACACACACACACACACACACACACACACACACACACACACACAC 540

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QY 679 ctctctctctctctctctctctctctctctctctctctctctctctctctctctctctctct 738
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QY 749 gttggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtg 798
Db 600 G TTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 657

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QY 799 ctgacacacacacacacacacacacacacacacacacacacacacacacacacacacacac 858
Db 658 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 711

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QY 859 cctgtgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgct 872
Db 712 ACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 725

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RESULT 12

HG680356

LOCUS

HG680356 643 bp mRNA

EST

01-MAY-2001


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Db 133 CCCAGTTCACATTCACATCAATAGTTCATATACATCCCTGATATATGTCCTAAATTTGCG 192
QY 925 GCTACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 984
Db 193 GCTCCGCGGACACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 252
QY 985 CTGCTCTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1044
Db 253 CTGCGGCTCCGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 312
QY 1045 CAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1104
Db 313 CAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 372
QY 1105 TTGCGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1164
Db 373 TTGCGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 432
QY 1165 GAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1224
Db 433 GAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 491
QY 1225 CAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1284
Db 492 CAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 551
QY 1285 GAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1344
Db 552 GAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 610
QY 1345 CAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1368
Db 611 CAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 633

PESUIT 14
LOCUS A0125021 845 bp mRNA EST 23-OCT-2000
DEFINITION A0125021 NT2PM4 Homo sapiens cDNA clone NT2PM4000896 5', mRNA
sequence.
ACCESSION A0125021
VERSION A0125021
KEYWORDS EST.
SOURCE EST.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 845)
AUTHORS Ota,T., Wakamatsu,A., Ozawa,M., Ishii,S., Saito,K., Yamamoto,J.,
Nakamura,Y., Nishikawa,T., Nagai,T., Suzuki,Y., Sugano,S. and
Isozaki,T.
TITLE HRI human cDNA project (Ota,T., Wakamatsu,A., Ozawa,M., Ishii,S.,
Saito,K., Yamamoto,J., Nakamura,Y., Nishikawa,T., Nagai,T., Suzuki
,Y., Sugano,S., Isozaki,T.)
JOURNAL Unpublished (2000)
COMMENT Contact: Takao Isozaki
Genomics Laboratory
Helix Research Institute
153-3 Yusa Kisanen Chiba 290 0812, Japan
Tel: 81-438-52-3451
Fax: 81-438-52-3952
Email: genomics@hri.co.jp
HRI human cDNA project, 5', 3' end and ORF sequencing, Helix
Research Institute; cDNA library construction, Department of
Virology, Institute of Medical Science, University of Tokyo, and
Helix Research Institute.
location/aliases
1. 845
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="NT2PM4000896"
/cell_line="NT2PM4"
/cell_type="teratocarcinoma"

FEATURES
source
1. 845
/Note="Vector: pME18SFL3; mRNA from uninduced NT2 neuronal
precursor cells"
BASE COUNT 202 a 232 c 226 g 182 t 3 others
ORIGIN
Query Match 41.2%; Score 564; DB 10; Length 845;
Best Local Similarity 96.4%; Pred. No. 5.9e-117;
Matches 608; Conservative 0; Mismatches 18; Indels 5; Gaps 3;
QY 1 ataaagctctctccaccctgaactgaactgaactgaactgaactgaactgaactgaactgaactga 60
Db 226 ATGAGAGATLAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 279
QY 61 ggaataaccctcaggattattgaactgaactgaactgaactgaactgaactgaactgaactgaactga 120
Db 280 GGAATATATATATATATATATATATATATATATATATATATATATATATATATATATATAT 339
QY 121 qalaatgctgctcccaagaagaalatalatccacccctcaaaataatccaattactataacc 180
Db 340 CATAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 399
QY 181 aagtgcacaaagaagaccctacttatcaatgaactgctcccaagcccgagcagagatcacagac 240
Db 406 AAGTGTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 459
QY 241 tgcagagagatgagagagagagagagagagagagagagagagagagagagagagagagagag 300
Db 460 TGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 519
QY 301 agctactccaaalqccgaagaagaatgaatgaatgaatgaatgaatgaatgaatgaatgaatgaac 360
Db 520 AGCTGTCCAAATGCGGAAAGGAGAAATGGGTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 579
QY 361 cggagacacagatgagagagagagagagagagagagagagagagagagagagagagagagag 420
Db 586 TGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 639
QY 421 ttccatgtctcaattgagagagagagagagagagagagagagagagagagagagagagagagag 480
Db 640 TTCCAGTGTCTAAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 699
QY 481 aaacaaacacacacacacacacacacacacacacacacacacacacacacacacacacacacac 540
Db 700 AAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAAC 758
QY 541 tctctgaagaaatgaagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaaga 600
Db 759 TNCCTGTAGTAAATGTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 814
QY 601 aatgttaaggagacactgaagagacactgaagagacac 631
Db 815 AATGTGTAAGGACACTGAGGACTAGCAGCCACA 845

RESULT 15
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DEFINITION A0124446 NT2PM4 Homo sapiens cDNA clone NT2PM4000916 5', mRNA
sequence.
ACCESSION A0124446
VERSION A0124446
KEYWORDS EST.
SOURCE EST.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 859)
AUTHORS Ota,T., Wakamatsu,A., Ozawa,M., Ishii,S., Saito,K., Yamamoto,J.,
Nakamura,Y., Nishikawa,T., Nagai,T., Suzuki,Y., Sugano,S. and
Isozaki,T.
TITLE HRI human cDNA project (Ota,T., Wakamatsu,A., Ozawa,M., Ishii,S.,

```

**JOURNAL
COMMENT**

Saito, K., Yamamoto, G. J., Nakamura, Y., Nishikawa, T., Nagai, T., Suzuki, Y., Sugano, S., Isozaki, T.)
Unpublished (2000)
Contact: Takao Isozaki

Search completed: April 24, 2002, 05:09:48
Job time: 7737 sec

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FEATURES
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BASE COUNT
  197 a 247 c 220 g 192 t 3 others

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Query Match 40.9%; Score 559; DA 10; Length 859;
Best Local Similarity 98.5%; Pred. No. 7.9e-116;
Matches 573; Conservative 0; Mismatches 8; Indels 1; Gaps 1;

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